In [ ]:

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```python
even=0
odd=0
while(True):
    n=input("enter the number : ")
    for i in n:
        if i.isnumeric()==True:
            x=int(i)
            if x%2==0:
                even=even+1
            else:
                odd=odd+1
        elif i.isalpha()==True:
            if(i=='y'):
                print("even number: ", even)
                print("odd number: ",odd)
                break
            elif (i!='y'):
                print("invalid input")
        elif i.isalpha()==False and i.isnumeric()==False:
                print("enter number")
```

```
enter the number : 9
enter the number : 7
enter the number : 6
enter the number : y
even number:  1
odd number:  2
```

In [39]:
```python
number=int(input("enter the range : "))#fibonacci series
i=0
first_no=0
second_no=1
while(i<number):
    if(i<=1):
        next=i
    else:
        next=first_no+second_no
        first_no=second_no
        second_no=next
    print(next)
    i+=1
```

```
enter the range : 6
0
1
1
2
3
5
```

In [ ]: